

## Product datasheet for **RG225226**

### PPP1R14D (NM\_001130143) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPP1R14D (NM\_001130143) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PPP1R14D  
**Synonyms:** CPI17-like; GBPI-1; GBPI1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225226 representing NM\_001130143  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGTCTTCAAGCCCTGCTTCTGCACATCTCCAGCCCAGATGGGAGAACCCATGTAAGAAGGTCC  
 ACTGGGCTTCTGGGAGGAGAAGGACATCATCCACAGACTCAGAGTCCAAGTCCACCCGGACTCTCCAA  
 GATACCCAGGTCCCGGAGACCCAGCCGCTGACAGTGAAGTATGACCGGGCCAGCTCCAGCGCTGGCTG  
 GAGATGGAGCAATGGGTGGATGCTCAAGTTCAGGAGCTCTTCAGAGTCTTGCTCTGTCAACCAGGCTGG  
 AGTGCAGTGGTGTGATCCATTCTGCAACTTCTGCCTCCGGGTCAATCGATTCTCTGCCTCAGCTC  
 CTGGAGTAGCTGGGATTACGGGATCAAGCAACCCCTTCTGAGCCTGAGATTGACCTGGAAGCTCTCATGG  
 ATCTATCCACAGAGGAGCAGAAGACTCAGCTGGAGGCCATTCTTGGAAGTGCCTCCGCCACAGAGGC  
 TTTTATCTCTGAGCTGCTCAGTCAACTCAAGAACTCCGGAGACTCAGCCGGCCTCAGAAATAAGCCTGA  
 GAGACCATCTTTAGCAGCCTCAGCACTGCCAGGCCTGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG225226 representing NM\_001130143  
 Red=Cloning site Green=Tags(s)

MLSSSPASCTSPSPDGENPCKKVHWASGRRTSSTDSESKSHPDSSKIPSRPRSRLTVKYDRGQLQRWL  
 EMEQWDAQVQELFQSLALSPRLECSGVIHSLQLPPGFNRFSCLSSWSSWDYGIKQPLLSRLTWKLSW  
 IYPQRSRLSWRPFLGTAPAPQRLLSLSCSVNSRNSGDSAGLRNKPERPSLAASALPGLP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001130143

**ORF Size:** 600 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001130143.2](#)

**RefSeq Size:** 880 bp

**RefSeq ORF:** 603 bp

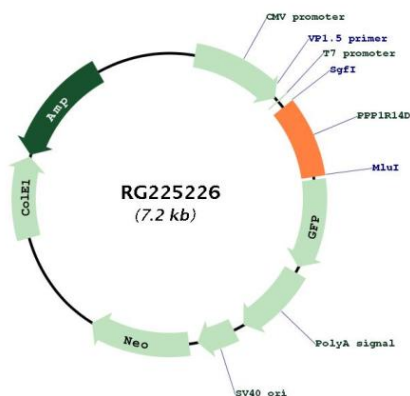
**Locus ID:** 54866

**Cytogenetics:** 15q15.1

**Protein Families:** Druggable Genome

**Gene Summary:**

Protein phosphatase-1 (PP1; see MIM 176875) is a major cellular phosphatase that reverses serine/threonine protein phosphorylation. PPP1R14D is a PP1 inhibitor that itself is regulated by phosphorylation (Liu et al., 2004 [PubMed 12974676]).[supplied by OMIM, Feb 2010]

**Product images:**


Circular map for RG225226